

What Is Claimed Is:

1. A transmission type screen comprising a Fresnel lens sheet, a lenticular lens sheet provided with convex black stripes on the light-exit surface, and a diffusion sheet having an uneven surface on one side thereof, wherein the uneven surface of said diffusion sheet is joined to the lenticular lens sheet at the top portions of black stripes.

2. The transmission type screen according to claim 1, wherein Tt1 and Tt2 satisfy the following Formula (1)

$$0.6 < Tt2/Tt1 < 0.98 \quad (1)$$

where Tt1 (%) stands for a full-light transmissivity at the time when a light beam is incident onto the diffusion sheet from the uneven surface and Tt2 (%) stands for a full-light transmissivity at the time when a light beam is incident from the surface opposite to said uneven surface.

3. The transmission type screen according to claim 1 or 2, wherein the pitch of lenticular lenses on the light incidence side which are arranged equidistantly in the horizontal direction on the lenticular lens sheet is less than 0.5 mm.

4. The transmission type screen according to claim 1 or 2, wherein the maximum distance from the lens surface on the light incidence side of the lenticular lens sheet to the light-exit surface is larger than 0.3 mm.

5. The transmission type screen according to claim 1 or 2, wherein Lt and Lf satisfy the following Formula (2)

$$0.8 < Lf/Lt < 1.2 \quad (2)$$

where Lt (mm) stands for a maximum distance from the lens surface on the light incidence side of the lenticular lens sheet to the light-exit surface and Lf (mm) stands for a focal distance of lenses on the light incidence side of the lenticular lens sheet.

6. The transmission type screen according to claim 1 or 2, wherein the diffusion sheet is subjected to coloration treatment so that the diffusion sheet absorbs light.

7. The transmission type screen according to claim 6, wherein the coloration treatment is conducted only on the uneven surface.

8. The transmission type screen according to claim 1 or 2, wherein the diffusion sheet has non-isotropy.

9. The transmission type screen according to claim 1 or 2, wherein the lenticular lens sheet and the diffusion sheet are curved to project the center of the light-entering side of the diffusion sheet.

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